

ABSTRACT OF THE DISCLOSURE

A method generally includes electronically accessing positional data defining a defect location on a composite structure, and automatically causing a material placement machine to return to the defect location as defined by the
5 positional data. The method can also include automatically causing the material placement machine to place or lay down material sufficient for repairing a defect at the defect location. Alternatively, the material placement machine may automatically return to a defect location, and then an operator may manually repair the defect at the defect location.